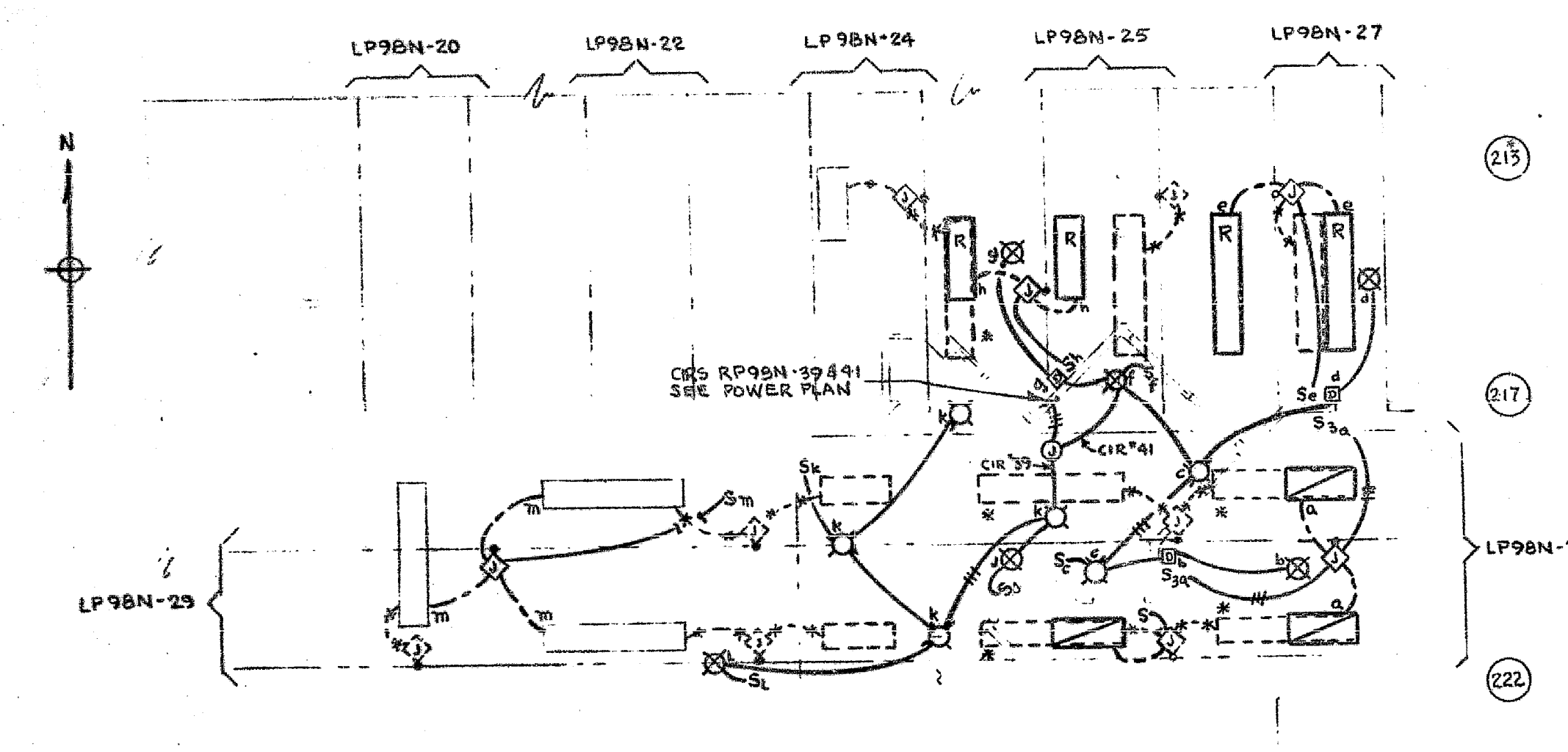


POWER & TELEPHONE PLAN
SCALE 1/8" = 1'-0"



LIGHTING PLAN
SCALE 1/8" = 1'-0"

REVERSE
DESIGNATION

- LEGEND**
- EXISTING FLUORESCENT LIGHTING FIXTURE (20"x 50") TO BE RELOCATED
 - EXISTING FLUORESCENT LIGHTING FIXTURE TO REMAIN (20"x 100").
 - EXISTING FLUORESCENT LIGHTING FIXTURE (20"x 100") TO BE RELOCATED - ASTERISK DENOTES FIXTURE TO BE REMOVED AND STORED
 - RELOCATED FLUORESCENT LIGHTING FIXTURE (20"x 100").
 - RELOCATED FLUORESCENT LIGHTING FIXTURE (20"x 50").
 - FLUORESCENT LIGHTING FIXTURE (20"x 50"). SUB-LETTER DENOTES SWITCH CONTROL. - SEE NOTE #1.
 - INCANDESCENT SURFACE MOUNTED FIXTURE - 20VOLT-75 WATT
 - INCANDESCENT RECESSED FIXTURE - 20VOLT-75 WATT
 - UNDERCELL MOUNTED BOX ASSEMBLY - SEE NOTE #1.
 - EXISTING UNDERCELL MOUNTED BOX ASSEMBLY TO REMAIN.
 - REMOVE EXISTING UNDERCELL MOUNTED BOX ASSEMBLY, INSTALL SUITABLE FITTING TO CAP OPENING IN EXISTING CEILING WIREWAY.
 - JUNCTION BOX
 - SINGLE POLE WALL SWITCH, MOUNTED 50" A.F.F. UNLESS OTHERWISE NOTED. SUB-LETTER INDICATES FIXTURE(S) CONTROLLED - 20A., 277V., CAT. #1121-GRAY; BY HUBBELL (#1101-GRAY; 15A., 120V.).
 - THREE-WAY WALL SWITCH, MOUNTED 50" A.F.F. UNLESS OTHERWISE NOTED. SUB-LETTER INDICATES FIXTURE(S) CONTROLLED - 20A., 277V., CAT. #1123-GRAY; BY HUBBELL (#1103-GRAY; 15A., 120V.).
 - ROTARY ON-OFF SINGLE POLE 600W-120VOLT DIMMER SWITCH WITH BRUSHED ALUMINUM FACE PLATE - SUB LETTER DENOTES FIXTURE(S) CONTROLLED - 20A., 277V., CAT. #1103-GRAY; 15A., 120V.).
 - SMALL FAN STARTER SWITCH WITH OVERLOAD G.E. CAT. # CR-101-Y
 - EXISTING AFTERSET FITTING, COMBINATION TELEPHONE/DUPLEX RECEPTACLE TO REMAIN.
 - REMOVE EXISTING COMBINATION TELEPHONE/DUPLEX RECEPTACLE - SEE NOTE #11. ASTERISK DENOTES FLOOR OUTLET UNIT TO BE RELOCATED.
 - RELOCATED COMBINATION TELEPHONE/DUPLEX RECEPTACLE. CORE DRILL FLOOR. INSTALL AFTERSET FITTING, SEE NOTE #1.
 - AFTERSET FITTING AND ADAPTOR ASSEMBLY - SEE NOTE #1. WALL MOUNTED DUPLEX RECEPTACLE, 15A., 125V.; ARROW-HART #6352, FURNISHED AND INSTALLED BY CONTRACTOR. MOUNT 12" A.F.F.
 - AFTERSET FITTING AND ADAPTOR ASSEMBLY FOR 3/4" c. - SEE NOTE #1. WALL MOUNTED TELEPHONE OUTLET, FURNISHED AND INSTALLED BY CONTRACTOR. MOUNT 12" A.F.F.
 - SINGLE RECEPTACLE WALL MOUNTED - 125V. - 20A. ARROW-HART CAT. #5361 FURNISHED AND INSTALLED BY CONTRACTOR
 - EXISTING FLEXIBLE CONDUIT AND CABLE CONNECTION TO REMAIN, RECONNECT AS REQUIRED.
 - EXISTING FLEXIBLE CONDUIT AND CABLE CONNECTION TO BE REMOVED.
 - RIGID STEEL CONDUIT, HOT DIPPED GALVANIZED (UL STANDARD #6), RUN CONCEALED IN CEILING AND/OR WALL.
 - FLEXIBLE CONDUIT AND CABLE CONNECTION (UL STANDARD #514).
 - CENTERLINE OF EXISTING FLOOR CELL.
 - EXISTING POWER AND TELEPHONE FLOOR CELL.
 - EXISTING FLOOR ACCESS PANELS OF FLOOR CELLS AND HEADER DUCT.

- NOTES**
1. ITEMS WHICH ARE REFERRED TO THIS NOTE IN THE LEGEND MAY BE PURCHASED FROM THE AUTHORITY AND SHALL BE INSTALLED AND CONNECTED BY THE CONTRACTOR.
 2. UNLESS SPECIFICALLY NOTED OTHERWISE, ELECTRICAL OUTLETS ARE CONNECTED TO THE CIRCUITS WHICH ARE DESIGNATED AT THE END OF EACH CELL.
 3. WHEN INSTALLING AND/OR REMOVING LIGHTING AND/OR RECEPTACLE OUTLETS; SPLICES AND/OR RECONNECTIONS IN THE UNDERFLOOR SYSTEM SHALL BE MADE IN THE HEADER DUCT ONLY. CONTRACTOR SHALL INSTALL TWO WIRES FROM EACH RECEPTACLE OR LIGHTING FIXTURE BOX ASSEMBLY TO THE HEADER DUCT. ALL UNUSED WIRING BETWEEN THE REMOVED OUTLETS AND HEADER DUCT IS TO BE REMOVED BY THE CONTRACTOR.
 4. CIRCUITS THAT ARE DESIGNATED WITH NUMBERS OF 1 THRU 6 INCLUSIVE & 31 AND ABOVE ARE NOT EXISTING IN THE HEADER DUCT. CONTRACTOR IS TO INSTALL AND CONNECT THE APPROPRIATE QUANTITY OF WIRES, FROM ITEM TO BE SERVICED, BACK TO THE DESIGNATED PANEL VIA THE FLOOR CELL AND HEADER DUCT.
 5. WHEN REMOVING ANY SPECIAL PURPOSE OUTLETS, THAT ARE SHOWN CONNECTED TO CIRCUITS OTHER THAN CIRCUIT 7 THRU 30 INCLUSIVE, THE EXISTING WIRES SHALL BE REMOVED BY THE CONTRACTOR BETWEEN THE REMOVED OUTLET AND THE INDICATED PANEL. THE CONTRACTOR SHALL MODIFY THE PANEL DIRECTORY TO REFLECT THE CIRCUIT AVAILABILITY.
 6. ALL CONDUITS TO HAVE A MINIMUM OF 2 #12 WIRES (UL STANDARD #83), AND SHALL BE A MINIMUM OF 3/4" UNLESS OTHERWISE NOTED.
 7. MINIMUM DISTANCE FOR ALL COMBINATION TELEPHONE/DUPLEX RECEPTACLES AND/OR RECEPTACLES SHALL BE 6" FROM WALLS OR CONVECTORS, UNLESS OTHERWISE INDICATED ON DRAWING.
 8. ALL DEVICE PLATES FOR WALL OUTLETS SHALL BE BRUSH SATIN FINISH, ANODIZED ALUMINUM. DEVICE PLATES FOR TELEPHONE OUTLETS SHALL CONTAIN A BUSHED HOLE.
 9. ALL OUTLETS AND CEILING BOX ASSEMBLIES THAT ARE BEING REMOVED AND NOT RE-USED ARE TO BE RETURNED TO THE ENGINEER.
 10. FOR ELECTRICAL SPECIFICATIONS SEE DRAWING F-1.
 11. ALL FLOOR OUTLETS TO BE REMOVED OR ABANDONED SHALL HAVE ALL WIRES REMOVED BACK TO HEADER DUCT OR PANEL AND THE AFTERSET FITTING REMOVED. A METAL SLUG SHALL BE INSTALLED TO CAP THE P/T CELL AND THE HOLE SHALL BE FILLED WITH CONCRETE CEMENT ADJUSTED TO GRADE.
 12. ALL ELECTRICAL FLOOR OUTLET UNITS (HOUSING) SHALL BE SET FLUSH ON THE CONCRETE OR VINYL FLOOR.
 13. THE CONTRACTOR SHALL INSTALL IN ALL AFTERSET FITTINGS, TWO (2) "PALUSOL" PACKETS (FIRESTOP); ONE ON EACH SIDE OF AFTERSET RAFFLE. PACKETS SHALL BE FURNISHED BY THE AUTHORITY AND INSTALLED BY THE CONTRACTOR.

THIS DRAWING FURNISHED SUBJECT TO CONDITIONS STATED IN "WORKMANSHIP AND MATERIALS" CLAUSES OF SPECIFICATIONS. NO INFORMATION CONTAINED HEREIN MAY BE USED WITHOUT WRITTEN CONSENT OF THE PORT AUTHORITY EXCEPT AS PERMITTED IN SAID CLAUSES. ALL INVENTIONS, IDEAS, DESIGNS AND METHODS HEREIN ARE RESERVED TO THE PORT AUTHORITY.	REVISIONS				ASST. CHIEF ENGINEER OF DESIGN & RESEARCH <i>[Signature]</i> ENGINEER OF DESIGN <i>[Signature]</i>		THE PORT AUTHORITY OF NY & NJ THE WORLD TRADE CENTER TOWER A 98 TH FLOOR ALERO CORP.	ELECTRICAL LEGEND, NOTES, LIGHTING POWER AND TELEPHONE PLAN CONTRACT NO. WTC 577-381 DRAWING NO. E2		
	NO.	DATE	APPD.	DESCRIPTION					NO.	DATE

APPROVED *[Signature]* 9 JAN 80